

Via E-Mail

P.N. 117-3008059

May 23, 2011

Mr. Joe Lemay  
Remedial Project Manager  
MA Superfund Section  
USEPA - New England  
Five Post Office Square, Suite 100  
Boston, MA 02109-3912

**Re: Proposed Screening Groundwater Sampling, Central Area Wells G&H Site, Woburn, Massachusetts**

Dear Joe Lemay:

As indicated in our May 19, 2011 letter summarizing the results of the Central Area well integrity testing, Grace and UniFirst propose to collect groundwater samples to assist with development of the Central Area Phase 1B Field Investigation Work Plan (the "Phase 1B RI Work Plan"). The results from this proposed screening groundwater sampling event will allow us to develop an understanding of the current spatial distribution of VOC-contaminated groundwater on the eastern side of the Aberjona River and will be used to develop an appropriate scope of work for the Phase 1B RI Work Plan that EPA has requested.

Based on the results of the integrity testing done on monitoring wells in the Central Area of the Wells G&H Superfund Site between October 2010 and January 2011, we are proposing to collect groundwater samples for VOC analysis from 50 monitoring wells on the eastern side of the Aberjona River for a screening sampling event. The wells we propose to sample are listed in Table 1. Also provided in Table 1 for each listed well, is information regarding its completion interval, the most recent sampling date and whether the well needs to be redeveloped prior to sampling.

As indicated in Table 1, 15 monitoring wells proposed for sampling need to be redeveloped prior to sampling. These wells failed the integrity test, were slow to recharge, and/or have material build-up in the bottom but may be able to be restored through development. Following redevelopment, these wells will be integrity tested and a determination will be made as to whether the well is suitable for groundwater sampling. If it is determined that a well is suitable for sampling, the well will be sampled as part of this screening groundwater sampling round. If it is determined that a well is not suitable for sampling, the well will be removed from the list of wells available for sampling and no other monitoring well will be substituted. In addition, monitoring well S65S, which is proposed for sampling during this screening sampling event, was dry in 2010. If this well has at least two to three feet of water in it, it will be integrity tested. If it passes the integrity testing, then it will be sampled.

Groundwater samples will be collected using the low-flow sampling procedures specified in SOP 3 of the Quality Assurance Project Plan for Vapor Intrusion Assessment (GeoTrans, 2010). The samples

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will be sent to Katahdin Analytical for VOC analysis with standard detection limits using EPA method 8260. The analytical results will be validated according to the procedures specified in the Quality Assurance Project Plan for Vapor Intrusion Assessment (GeoTrans, 2010). Following data validation, the validated data will be provided to EPA.

A preliminary project schedule for the activities proposed in this letter is included as Figure 1. The schedule is meant to give a general overview of the timing of activities that will be done. The timing and duration of these activities may vary from what is shown in the schedule, as factors such as weather, access issues, resource availability, and the time for obtaining approvals will impact the schedule. We are requesting your approval of the proposed work by June 6, 2011 so that Central Area groundwater quality data can be collected during the summer/fall 2011 field season and be available for consideration during the preparation of the Phase 1B RI Work Plan you have requested. As we have discussed with you previously, current knowledge regarding Central Area groundwater quality obtained from existing wells is an important initial step in the preparation of the Phase 1B RI Work Plan. If you have any questions regarding this proposed sampling, please feel free to contact Tim Cosgrave or Clayton Smith.

Sincerely,



Anne B. Sheehan  
Project Manager

Enclosures:

Table 1. Wells Proposed for Sampling

Figure 1. Preliminary Schedule for Screening Groundwater Sampling

CC: J. Coyne  
D. Sullivan  
T. Cosgrave  
C. Smith  
J. Guswa

**References**

GeoTrans, 2010, *Quality Assurance Project Plan for Vapor Intrusion Assessment*, March 25, 2010.

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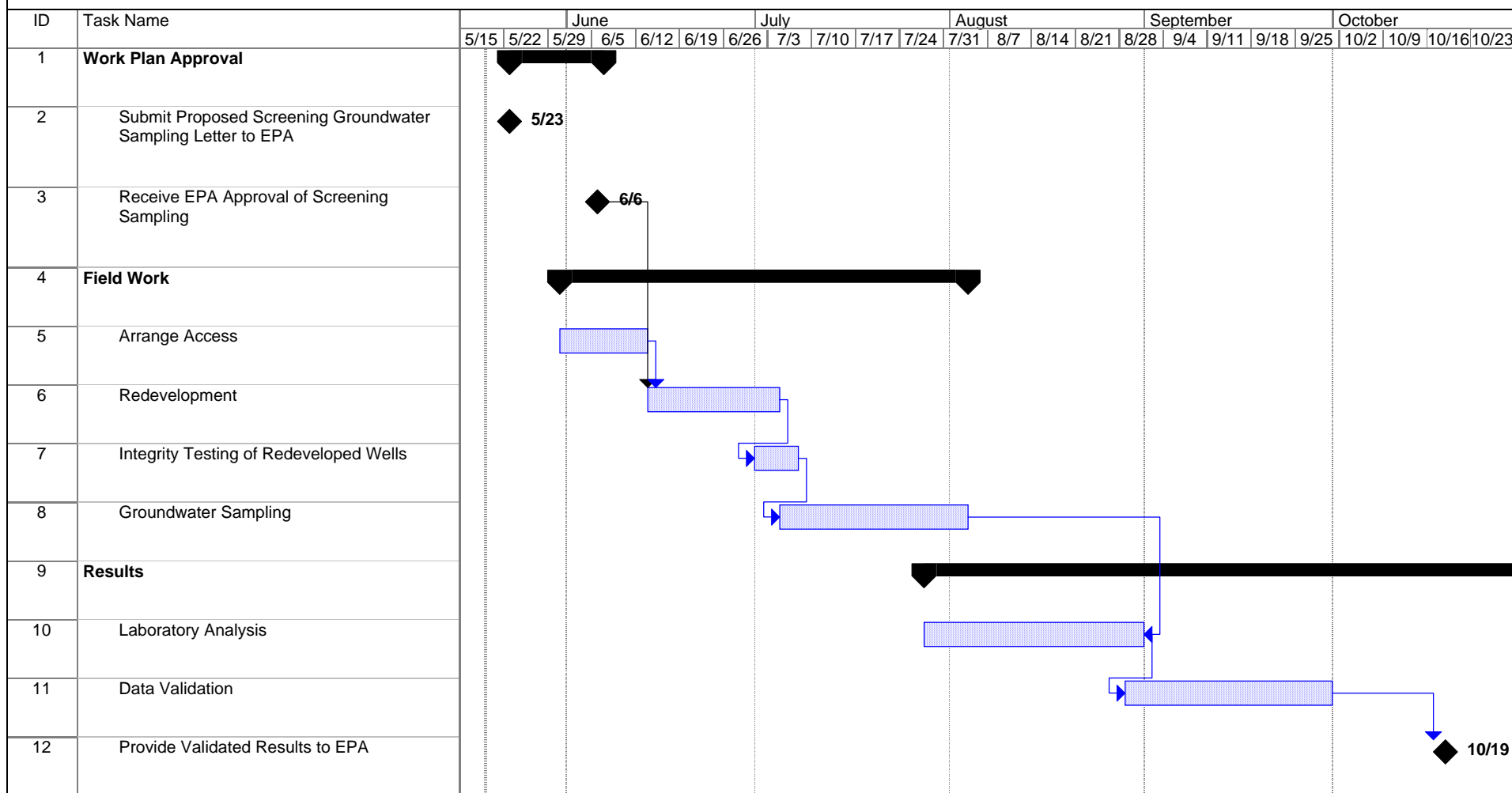
Table 1. Wells Proposed for Screening Sampling

Location	Redevelop	Formation	Diameter (inches)	Top Of Screen Depth (feet from GS)	Bottom Of Screen Depth (feet from GS)	2010 Measured Depth (feet from GS)	Depth to Bedrock (feet from GS)	Most Recent Sample Date
DP1D	No	U	0.38	16.6	17.6	17.56	NA	12/17/91
DP1S	No	U	0.38	6.6	7.6	7.62	NA	12/17/91
DP6D	No	U	0.38	27.6	28.6	NM	NA	8/9/93
DP7	No	U	0.38	19.6	20.6	NM	NA	8/9/93
GO1D	No	RS	1.5	24.3	39.3	39.09	19	8/10/93
K42D	No	U	1.12	65	66	66.43	NA	7/26/93
K42M	Yes	U	1.12	45	46	40.23	NA	7/27/93
K42S	Yes	U	1.12	20	21	19.40	NA	7/27/93
K48	Yes	U	1.12	15.6	16.6	14.59	NA	7/28/93
K55M	Yes	U	1.12	28.2	29.2	26.37	NA	9/9/93
K56M	Yes	U	1.12	27	28	27.06	NA	7/26/93
K61D	Yes	U	1.25	44.1	45.1	43.50	NA	10/20/93
K61M	No	U	1.25	38	39	39.42	NA	10/20/93
K62M	Yes	U	1.25	37	38	35.40	NA	10/19/93
K62S	No	U	1.25	32	33	34.80	NA	10/19/93
S63D	No	RS	1.5	26	36	34.69	22	5/7/96
S64D	No	RS	1.5	40	55	55.75	35	8/11/93
S64M	No	U	1.5	27	32	31.95	NA	8/11/93
S64S	No	U	1.5	10	15	15.11	NA	8/11/93
S65DR	No	RS	2	47	57	57.17	38.5	8/11/93
S65M	Yes	U	1.5	27	37	33.60	NA	8/6/93
S65S	No	U	1.5	4	24	22.78	NA	4/27/93
S67D	Yes	RS	1.5	60	75	68.43	54	4/23/97
S67M	No	U	1.5	33	43	42.18	NA	4/23/97
S67S	Yes	U	1.5	24	34	31.54	NA	4/23/97
S68D	No	U	1.5	55	105	105.52	105	10/16/02
S68S	No	U	1.5	14.5	45	43.76	NA	8/21/91
S69D	Yes	RS	1.5	40	55	29.71	35	8/4/93
S82	No	U	1.5	25	35	33.75	NA	10/15/02
S84D	No	U	1.5	73	78	77.44	81.5	8/20/91
S84M	Yes	U	1.5	40	45	43.20	NA	8/20/91
S84S	No	U	1.5	13	18	18.66	NA	8/20/91
S85M	No	U	1.5	65	71	70.71	NA	9/2/93
S85S	No	U	1.5	20	30	29.20	NA	10/15/02
S86D	Yes	U	1.5	47	52	47.03	NA	8/26/91
S86S	No	U	1.5	20	30	30.48	NA	10/16/02
S87D	No	U	2	76.5	78.5	79.03	NA	10/15/02
S87M	No	U	2	37	39	40.46	NA	8/23/91
S87S	No	U	2	7	9	9.08	NA	8/23/91
S90D	No	RS	2	65	67	67.26	66	8/22/91
S90M	No	U	2	37	39	39.67	NA	8/22/91
S90S	No	U	2	7	9	9.75	NA	8/22/91
S94D	No	U	2	76.6	78.6	78.96	NA	8/20/91
S94M	No	U	2	37	39	39.62	NA	8/20/91
S94S	Yes	U	2	12	14	2.75	NA	8/20/91
S97D	Yes	RS	2	36.5	44	42.11	33.5	9/2/93
S97S	No	U	2	9	14	14.88	NA	11/19/85
UC14-1	No	RD	3.5	339	339	NM	75.1	4/21/97

Table 1. Wells Proposed for Screening Sampling

Location	Redevelop	Formation	Diameter (inches)	Top Of Screen Depth (feet from GS)	Bottom Of Screen Depth (feet from GS)	2010 Measured Depth (feet from GS)	Depth to Bedrock (feet from GS)	Most Recent Sample Date
UG1-2	No	RD	4.5	481	481	NM	23	5/7/96
UG1-5	No	RD	6	172	172	NM	23	3/23/94
GS - ground surface NA - not applicable NM - not measured U - Well completed in unconsolidated deposits RS - Well completed in upper 100 feet of bedrock RD - Well completed greater than 100 feet below top of bedrock								

Figure 1. Preliminary Schedule for Screening Groundwater Sampling, Central Area of Wells G & H Superfund Site



Project: Screening Sampling Schedule  
Date: Thu 5/19/11

Task

Split

Progress

Milestone

Summary

Project Summary

External Tasks

External Milestone

Deadline